

2450

NORTHERN REGION - R-1

FOREST = 10 - Flathead \*

DISTRICT 06 - Hungry Horse \*

Expiration Date = April 1, 2014

V13.2

**TIMBER SALE AND  
TRANSACTION EVIDENCE  
APPRAISAL REPORT**

Select Contract Type

**Firefighter Mountain**

(SALE NAME)

**TIM # 14602**

**TYPE 6 - Contract Form 2400-6**

**UOM TON**

\_\_\_\_\_  
Prepared by (Signature)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
Prepared by (Signature)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
Approved by (Signature)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
Reviewed by (Signature)

\_\_\_\_\_  
(Date)

All attached documents and specifications for this timber sale have been completed in accordance with regulations at 36 CFR, Part 223, Subpart B, and the applicable Forest Service Manual and Handbook requirements and standards related to timber sales. Furthermore, the environmental documentation and NEPA decision have been reviewed; no significant new information or changed circumstances relating to the environmental impacts of this proposed action exist that require a correction, supplement, or revision to the documentation or decision; and implementation (advertisement) should continue.

Certification Reports for Gates 3 and 4 from TIM are attached to this timber sale report.

\_\_\_\_\_  
Timber Sale Final Package Approved By:

\_\_\_\_\_  
(Date)

**TIMBER SALE INFORMATION**

**TIM, Gate 3, Create Timber Sale (Prep101)**

**Sale Area Description:**

Primary County Name (FIPS Code):

029 - Flathead \*

Sale Area Legal Description (short T & R):

T29N, R18W

Sale Area Legal Description (long):

Portions of Sections 33,34,35,36 T30N, R18W; Portions of Sections 1,2,3,4,11,12,13 T29N, R18W; Portions of Sections 7,17,18,19,20 T29N, R17W

***The format that the description is entered here and inputted to TIM is exactly the way it will print out in the Contract, Ad and prospectus at Gate 4.***

Compartment (s):

26

**Environmental Documentation:**

Project Association: List NEPA Project(s) that approved the timber sale.

<b><u>NEPA Document Name</u></b>	<b><u>Percentage of Sale Volume (CCF)</u></b>
Firefighter Project (August 2009)	100

***The above NEPA Document(s) shall be included in the Prospectus, General Narrative, TIM Gate 4 - Prospectus (ADV115). Include the following statement in the Prospectus: The environmental document(s) that approved this sale:\_\_\_\_\_***

Briefly describe additions or changes made to project design during timber sale preparation.

**TSPIRS INFORMATION, SALE OBJECTIVES**

**TIM, Gate 3, Create Timber Sale (Prep101)**

**Purpose (TIM -PREP101)**

**Activity**

**% of Sale Volume - CCF (TIM - PREP101)**

TC - Timber Commodity Purpose	*
	*
	*

01 - Timber Purpose	*
	*
	*

100

**SALE PURPOSE AND ACTIVITY CODING INSTRUCTIONS**

[www.fs.fed.us/im/directives/fsh/2409.18/2409.18\\_20.doc](http://www.fs.fed.us/im/directives/fsh/2409.18/2409.18_20.doc)

### SALVAGE SALE FUND INFORMATION

#### **TIM, Gate 4, Salvage Sale Fund Plan (ADVR112)**

Reference to FSH 2409.19 - 71.12 - for assistance with SSF collections

[https://fs.usda.gov/FSI\\_Directives/wo\\_2409.19\\_70.doc](https://fs.usda.gov/FSI_Directives/wo_2409.19_70.doc)

#### SSF Silviculture Treatment Type (Pick one)

Salvage Component with Sanitation, Stand Improvement, or Regeneration \*  
(Use for all other sales - stand(s) that include a salvage component)

SSF Volume (CCF): **3538** **37%** % of total volume

### FUNDING SOURCE

Funding Source (button on tool bar) - From STAT102

Sale Preparation Funding Source ---SSSS (Salvage Fund) % **0%**

(Contact SO for percentage to enter into Funding Source form. Funding Source percentage must be equal to or less than % of salvage in the SSF Plan.)

### CRUISE INFORMATION

CRUISE: # **1301**

CHECK CRUISE:

Date of Cruise **6/17/2010**

Date of Check:

Cruisers: Paul Donnellon  
Jeff Hansen  
Jim Vander Schaff

Cruisers: Darin Nichols  
Bryan Waters

Method: Plot

Results: Pass

SE%: **18.85**

Method of determining ROW volume:

N/A

Basis for Percent Defect:

SEEN DEFECT PLUS ADDITIONAL CULL AND BREAKAGE

**TOTAL CF VOLUME BY UNIT --- NCS REPORT**

Unit #	Acres	Sawtimber	CCF	Non-Saw	CCF
ROW units need to be entered last					
2a	39	58679	587	39169	392
2b	12	18055	181	12052	121
6	13	18065	181	12447	124
9b	23	31961	320	22021	220
11	22	33101	331	22096	221
13a	9	12506	125	8617	86
13b	31	43078	431	29681	297
14	21	29182	292	20106	201
16	3	4514	45	3013	30
16a	4	6018	60	4017	40
18	9	13541	135	9039	90
19	18	27083	271	18078	181
21	21	29182	292	20106	201
23	7	9727	97	6702	67
29	18	25013	250	17234	172
30	19	26402	264	18191	182
40	8	12037	120	8035	80
41	1	1390	14	957	10
41a	9	12506	125	8617	86
41b	2	2779	28	1915	19
43	31	43078	431	29681	297
47	10	13896	139	9574	96
49	18	27083	271	18078	181
50	22	33101	331	22096	221
50a	4	6018	60	4017	40
56	10	13896	139	9574	96
56a	2	2779	28	1915	19
61	10	13896	139	9574	96

**NET**  
**MBF/CCF Ratio from**  
**NCS Report CS1**  
 Sawtimber (Product 01)  
 0.4942  
 Non-Saw (Product 08)  
 0.5326

568566	<b>Sawtimber</b>	386602	<b>Non-Saw</b>
<b>TOTAL SALE UNIT VOLUME (CCF)</b>	<b>5687</b>	<b>5687</b>	<b>3866</b>
	(Sheet 1)	(Sheet 1&2)	(Sheet 1) (Sheet 1&2)

**TOTAL SALE CF VOLUME BY SPECIES --- NCS REPORT (R101)**

Species	Saw	Rounded	%Defect	Av. DBH	Logs/Unit
AF	16886	169	8	10.6	15.5
C	0	0	0	0	0
DF	27253	273	10	9	24.8
GF	0	0	0	0	0
H	0	0	0	0	0
L	150330	1503	9	9	26.3
LP	353725	3538	11	8.1	27
PP	0	0	0	0	0
S	20370	204	7	8.5	29.2
WP	0	0	0	0	0

**NCS REPORT (UC5)**

Non-Saw	Rounded
11088	111
0	0
25183	252
0	0
0	0
125181	1252
201473	2014
0	0
23680	237
0	0

568564	<b>TOTAL VOLUME</b>	<b>5687</b>	<b>CCF</b>	386605	<b>TOTAL VOLUME</b>	<b>3866</b>	<b>CCF</b>
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ROUNDED VOLUME IS THE DIFERENCE BETWEEN UNIT VOLUME AND SPECIES VOLUME (AFTER ROUNDING TO CCF) ADDED TO THE SPECIES WITH THE LARGEST VOLUME



**CUTTING UNIT DESCRIPTION  
(TIM GATE 3 - PREP 104)**

**VOLUME - DIRECT ENTRY  
(TIM GATE 3 - PREP 103)**

		Cruise	Appraisal	ROW	Logging	Harvest	Land Suit		Unit Volume CCF		Yield Component	
Unit #	P.U.#	Unit Acres	Unit Acres	Acres	Method	Method	Class	MA	Sawtimber	Non-Saw	CL	NL
ROW units need to be entered last												
2a		39	39		420	131	0	15	587	392		
2b		12	12		420	131	0	15	181	121		
6		13	13		420	132	0	13	181	124		
9b		23	23		420	132	0	13	320	220		
11		22	22		420	132	0	13	331	221		
13a		9	9		420	132	0	13	125	86		
13b		31	31		420	132	0	13	431	297		
14		21	21		420	132	0	13	292	201		
16		3	3		420	132	0	15	45	30		
16a		4	4		420	132	0	15	60	40		
18		9	9		420	132	0	13	135	90		
19		18	18		420	131	0	13	271	181		
21		21	21		420	131	0	13	292	201		
23		7	7		420	132	0	13	97	67		
29		18	18		420	132	0	13	250	172		
30		19	19		420	132	0	13	264	182		
40		8	8		420	132	0	15	120	80		
41		1	1		420	131	0	15	14	10		
41a		9	9		420	131	0	15	125	86		
41b		2	2		420	131	0	15	28	19		
43		31	31		420	131	0	15	431	297		
47		10	10		420	132	0	15	139	96		
49		18	18		420	132	0	15	271	181		
50		22	22		420	132	0	15	331	221		
50a		4	4		420	132	0	15	60	40		
56		10	10		420	132	0	15	139	96		
56a		2	2		420	132	0	15	28	19		
61		10	10		420	132	0	13	139	96		
Totals Sheet 1		396	396	0					5687	3866	0	0

Total Sale Area: **8360** Sale Area Acres  
 Total Cutting Area: **396** Acres  
 (Sheet 1)

Total Sawtimber (Sheet 1) **5687** CCF  
 Total Saw + Non-Saw (Sheet 1) **9553** CCF

[illegible][illegible][illegible]



# APPRAISAL CCF TO TON WORKSHEET

## SAWTIMBER - CCF

<u>Species</u>	<u>Defect %</u>	<u>Net Volume</u>	<u>Total Additional</u>	<u>Total Net</u>	<u>Tons Per CCF</u>	<u>Total Tons</u>
AF	8	169	0	169	2.4735	418
C	0	0	0	0	2.3540	0
DF	10	273	0	273	3.0160	823
GF	0	0	0	0	3.1275	0
H	0	0	0	0	3.2425	0
L	9	1503	0	1503	3.1935	4800
LP	11	3538	0	3538	3.0210	10688
PP	0	0	0	0	3.2230	0
S	7	204	0	204	2.7040	552
WP	0	0	0	0	3.2230	0
<b>TOTAL =</b>	<b>10</b>	<b>5687</b>	<b>0</b>	<b>5687</b>		<b>17281</b>

Net MBF/CCF Ratio For  
Sawtimber From NCS  
Report CS1 **0.4942**

**TIM** **Prep 105**  
Conversion Factors  
**MBF** **CCF**  
**0.1626** **0.3291**

## NON-SAWTIMBER - CCF

<u>Species</u>		<u>Net Volume</u>	<u>Additional Non-Saw</u>	<u>Total Net</u>	<u>Tons Per CCF</u>	<u>Total Tons</u>
AF		111		111	2.3340	259
C		0		0	2.1400	0
DF		252		252	2.7885	703
GF		0		0	2.9470	0
H		0		0	3.0590	0
L		1252		1252	3.0785	3854
LP	%Dead	2014		2014	3.0200	6082
PP		0		0	3.1510	0
S		237		237	2.6330	624
WP		0		0	3.1500	0
<b>TOTAL =</b>		<b>3866</b>	<b>0</b>	<b>3866</b>		<b>11522</b>

Net MBF/CCF Ratio For  
Non-Sawtimber From NCS  
Report CS1 **0.5326**

**TIM** **Prep 105**  
Conversion Factors  
**MBF** **CCF**  
**0.1787** **0.3355**

<b>TOTALS =</b>	<u>Gross</u> <b>0</b>	<u>Net</u> <b>9553</b>	<u>Tons</u> <b>28803</b>
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## APPRAISAL SUMMARY

CONTRACT VOLUME (CCF)	<u><b>9553</b></u>
APPRAISAL VOLUME (CCF)	<u><b>5687</b></u>
CONTRACT VOLUME (TONS)	<u><b>28803</b></u> (Note: Total Tons to be used for Rd. Maintenance Appr.)
WTD TONS/CCF	<u><b>3.02</b></u>

**ASSIGN CONTRACT SPECIES**

TIM Gate 3 - Prep 105

**Contract Species Association**

Contract species shall be grouped to reflect differences in utilization and/or how species shall be grouped in A(T) 2 of the Timber Sale Contract.

All Non-sawtimber shall be grouped as Combined Softwood (CS) under Contract Species

**UTILIZATION STANDARDS**

TIM Gate 4 - Contract Prep Information ADV114

Fill out Minimum Specifications below to reflect how sawtimber & non-sawtimber were cruised.

Contract Species		Full Name for Contract	Conversion Factors (only applicable to weight scale sales)		Minimum Specifications				
			(Enter from Species Volume Summary)						
(Major Species Group)			MBF	CCF	DBH	Number of Pieces	Length	DIB	Merch. Factor
<b>LP</b>	Live and Dead	Lodgepole Pine	0.1626	0.3291					
<b>WL&amp;O</b>		Western Larch & Other			7	1	8.0	5.6	10.67
<input checked="" type="checkbox"/> ##	CS	Live and Dead	0.1787	0.3355					
<input type="checkbox"/>	C14	Cedar Products - Net Merch. Factor - Refer to C(T)6.804#							

### AVERAGE EXTERNAL YARDING DISTANCE

[illegible]

Ground Lead

450	0
	0

VOL  
AVE EYD

VOL  
AVE EYD

# HAUL

Appraisal Point:  
Total Sawtimber Tributary Volume:

Col Falls  
5,687

State Montana

(The appraisal point is most advantageous when total transportation cost, including road work, are less than other appraisal points. Appraise to a mill where timber product can be processed. SBA Set Aside Sales are appraised the same way; not to the nearest SBA mill)

(Haul Appraisal for Sawtimber only. Non-Sawtimber included in Non-Sawtimber Adjustments)

## WTD HAUL MILES

### WTD Haul Note

Segment	Units															Segment Miles		Sawtimber Trib Vol	WTD MILES
																Paved	Unpaved		
Hwy 2	ALL															8		5687	8.00
38	ALL															1.6		5687	1.60
38	ALL																13.5	5687	13.50
38B	43																1.4	431	0.11
11050	43																0.5	431	0.04
1621	7	16	16A														1.6	105	0.03
1621	14	15															3.4	292	0.18
896	29	40	41	41A	41B	49	50	50A									2.6	1199	0.55
896	19	21	23														5.8	660	0.67
896	9B	11	18	61													7.9	925	1.29
11042	29																0.4	250	0.02
11042	6																1.9	181	0.06
11042A	30																0.9	264	0.04
38	2A	2B	13A	13B	26	56	56A										3.9	1491	1.02
5317	2A	2B	56	56A													1.8	935	0.30
5317	26																4.2	0	0.00
38	13A	13B															1.7	556	0.17
1623	13B																0.6	431	0.05
13A Temp	13A																0.5	125	0.01

WTD Total Paved Miles

(Sheet 1)

9.6

WTD Total Unpaved Miles

(Sheet 1)

18.0

WTD Total Miles

(Sheet 1)

27.6

## NON-SAWTIMBER ADJUSTMENTS

### DATA INPUT

Delivered Log Price (\$/Ton, Nonsawtimber material)	\$41.00	
Total Nonsawtimber Volume (CCF) (Primary + Secondary)	3,866	
Total Nonsawtimber Volume (Tons) (Primary + Secondary)	11,522	
Tons / CCF for nonsawtimber material	2.98	0.00 Adjustment
Total Appraised Sawlog Volume (CCF)	5,687	
Total One Way Weighted Haul Miles	161	133.15 Adjustment

Logging System	All Ground Based	All Cable	Forwarder
Nonsawtimber Primary Product (CCF)	1,916		
Net MBF / Acre Harvested for nonsawtimber primary product	2.6	0.0	0
Average DBH Harvested for nonsawtimber primary product	4.9		
Average Yarding Distance (Feet)	922	0	0
Nonsawtimber Primary Product (Tons)	5,711	0	0
Net Tons / Acre Harvested for nonsawtimber primary product	7.7	0.0	0.0

Nonsawtimber Adjustment	
Final Nonsawtimber Value (\$/CCF) A positive number is a negative value.	\$0.00
Final Nonsawtimber Adjustment to enter into TE appraisal program (\$/CCF)	\$0.00



### RIGHTS - OF - WAY

(Include Cost share Agreements)

Road Name	Road #	Length	Type of Agreement	Agreement with (Names)

### ROAD MAINTENANCE

(From Road Maintenance Appraisal Summary, sheets are attached)

☐ Check Box to use Small Sale RM Rates.

☐ Check Box to use Small Sale RM Rates plus Kooacanusa Bridge

#### Contract Rates

#### Total Performance Recurrent Maintenance (Part A)

#### C(T)5.31 - Recurrent Maintenance

#### C(T)5.312 - Reconditioning

#### Total Performance (Part A)

#### Total Required Deposits (Recurrent and Deferred) (Part B)

(Enter appropriate rate in TIM - Gate 4 - Road Maint. Plan - ADV105)

#### C(T)5.32# - Total Required Deposits (Part B)

#### C(T)5.314 - Total Dust Abatement (Part C)

#### TOTAL MAINTENANCE COST (Parts A-B-C)

\$/CCF	\$/TON
\$6.58	\$2.18
\$0.00	\$0.00
\$6.58	\$2.18 ( A )
\$4.64	\$1.54 ( B )
\$0.00	\$0.00 ( C )
\$11.22	\$3.72

#### Appraisal Rates

(Entries for 2400 - 17)

Total Required Deposits \$ **\$6.58** CCF

Total Road Maintenance Costs (Performance + Deposits) \$ **\$11.22** CCF

Refer to Road Maintenance Appraisal for Road Reconditioning cost per road segment.  
(Attach worksheets with road costs)





**LOGGING METHOD SUMMARY**

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	TOTAL
Acres	396	0	0	0	0	396
Volume	5687	0	0	0	0	5687
EYD	922	0	0	0	0	

**IDENTIFY FACILITIES (ADVR102)**

Attach completed "IDENTIFY FACILITIES FORM"

*J:\sfiles\office\resources\Timber\Appraisal\_Contract\Appraisal*

☒ Check Box if accomplishing road construction or re-construction work under timber sale.

Appraisal information required for the 2400-17 report is to be summarized from the Identify Facilities

**SPECIFIED ROAD COST**

	<u>Miles</u>	<u>Total Cost</u>
Construction		
Reconstruction	21.5	\$211,297
Total Cost	\$211,297	/ 5687 CCF = \$37.15 \$ / CCF

# **BASE RATE ADJUSTMENT FOR REGENERATION COST**

**Total Required Regeneration Costs - FACTS Line 21 Remarks** \$243,516.00

*(Subtotal for Required Reforestation with National Program Support Cost Included)*

**Note:** Base Rates may be raised for regeneration on only the Sawtimber component for green sales or % of Live Sawtimber on Salvage sales.

In previously partial cut stands that are to be regenerated, protected regeneration cost shall be proportionate to remaining volume in the sale.

Sale Volume ( ALL Vol./Products) \_\_\_\_\_ CCF X \$0.25 (NFF) 9,553 \$0.25 \$2,388.25

Select Either (a) or (b)

(A) Green Sale - Required Regen Cost \$ 100% Sawtimber Vol. = \$243,516.00 100% \$243,516.00 (d) 60% % Sawtimber

(B) Salvage Sales enter % Live Sawtimber Volume; Partial Cut

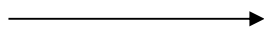
Stands enter % Volume remaining.

Total: \$245,904.25 (a)

<u>Species Groups</u>	<u>Volume (CCF)</u>	<u>Minimum Rates 1/</u>		<u>Base Rates 2/</u>	
		<u>Per CCF</u>	<u>Total</u>	<u>Per CCF</u>	<u>Total</u>
<b>WP, PP, C</b>	<span style="border: 1px solid black; padding: 2px;">0</span>	<span style="border: 1px solid black; padding: 2px;">\$5.00</span>	<span style="border: 1px solid black; padding: 2px;">\$0.00</span>	<span style="border: 1px solid black; padding: 2px;">0</span>	<span style="border: 1px solid black; padding: 2px;">\$0.00</span>
<b>All other species (list)</b>	<span style="border: 1px solid black; padding: 2px;">5687</span>	<span style="border: 1px solid black; padding: 2px;">\$3.00</span>	<span style="border: 1px solid black; padding: 2px;">\$17,061.00</span>	<span style="border: 1px solid black; padding: 2px;">\$42.56</span>	<span style="border: 1px solid black; padding: 2px;">\$242,038.25</span>
<b>Nonsawtimber (all species)</b>	<span style="border: 1px solid black; padding: 2px;">3866</span>	<span style="border: 1px solid black; padding: 2px;">\$1.00</span>	<span style="border: 1px solid black; padding: 2px;">\$3,866.00</span>	<span style="border: 1px solid black; padding: 2px;">\$1.00</span>	<span style="border: 1px solid black; padding: 2px;">\$3,866.00</span>
<b>TOTALS</b>	<span style="border: 1px solid black; padding: 2px;">9553</span>	<span style="border: 1px solid black; padding: 2px;">XXXXX</span>	<span style="border: 1px solid black; padding: 2px;">\$20,927.00</span>	<span style="border: 1px solid black; padding: 2px;">XXXXX</span>	<span style="border: 1px solid black; padding: 2px;">\$245,904.25</span>
		(b)			
<b>Sawtimber (Appraisal) Volume</b>	<span style="border: 1px solid black; padding: 2px;">5687</span>				
	<b>Weighted Average Minimum Rate</b>			<span style="border: 1px solid black; padding: 2px;">\$3.00</span>	

(a) - (b) = (c) amount need in addition to base rates (plus \$.25/CCF) \$224,977.25 (c )

**Note:** If minimum rate total (b) => (a) no adjustment needed



**Adjust Base Rate**

**Adjustment To Minimum Rate:**

\$ \_\_\_\_\_ (c) / (Total Sawtimber Volume) CCF = \$ \_\_\_\_/CCF

\$224,977.25 5,687 \$39.56

**1/ Minimum rates:** FSH 2409.22, Chp 80, Sect. 81

*(Base rates for Sawtimber can be weighted if appraising and advertising as a single species group (DF,O))*

**2/ Minimum rate + adjustment = Base Rate**

## **FACTS INFORMATION**

(Enter Sale Information - SAIP100)

Amount of Stumpage Available for Protected KV at Base Rates = \$243,516.00

*( The only stumpage available for KV at advertised rates is when KV is protected by base rates)*

## BRUSH DISPOSAL

From FACTS - Detailed Listing of BD and Purchaser Slash Treatment Activities

### Appraisal Rates for 2400-17 (Applied to Sawtimber only)

Forest Service Rate (Fund Code BDBD)      **\$30,334.00** Total \$      (a) **\$5.33** CCF

Purchaser Rate (Fund Code PPPP)      **\$59,375.36** Total\$      (b) **\$10.44** CCF

TOTAL: (a) + (b) =      **\$15.77** CCF

### Contract Rates (Applied to All Products)

Forest Service Rate Per CCF (Fund Code BDBD)      **\$3.18** CCF

(Rate Per CCF Converted to Tons for Weight Scale Contracts)      **\$1.76** TON

### Lump Sum BD Deposits for Weight Scaled Sales

Cutting Unit Number	Required Deposits
2a	\$3,108.66
2b	\$958.95
6	\$968.48
9b	\$1,714.68
11	\$1,752.79
13a	\$670.00
13b	\$2,311.65
14	\$1,565.44
16	\$238.15
16a	\$317.53
18	\$714.45
19	\$1,435.25
21	\$1,565.44
23	\$520.76
29	\$1,339.99
30	\$1,416.20
40	\$635.07
41	\$76.21
41a	\$670.00
41b	\$149.24
43	\$2,311.65
47	\$746.20
49	\$1,435.25
50	\$1,752.79
50a	\$317.53
56	\$746.20
56a	\$149.24
61	\$746.20

Total Cost      **\$30,334.00**

(Sheet 1)

## EROSION CONTROL

Seed mix is to be included in C(T)6.601# - Erosion Control Seeding and Special Project Specifications (SPS) 625.05 in Road Package.

***Make sure that the seed mix and fertilizer are the same in both Contract and Road Package.***

Site specific areas, such as gravel pits and very dry sites may call for more and/or different species in the mix. Document below the rationale for deviation from the standard seed mix.

Species of Seed	Pounds per Acre
-----------------	-----------------

Slender Wheatgrass	24

TOTAL	24
-------	----

Type of Fertilizer	Pounds per Acre
--------------------	-----------------

--	--

TOTAL	0
-------	---

### Crossdrains

Installation of crossdrains on temporary roads, skid trails and firelines are included in their respective cost allowance.

### Scarification

10	acres @	\$45.00	per acre	=	\$450.00
----	---------	---------	----------	---	----------

### Seed and Fertilizer

**If Temp Road seeding is not included in Temp Road worksheet then enter here**

Temporary Roads		feet	=	0.0	acres
Firelines		feet	=	0.0	acres

### Skid Trails

Number of acres to be skidded using ground based systems times the percentage of area requiring seed and fertilizer.      396 acres X 2 % = 7.9 acres

Number of acres to be yarded using cable systems times the percentage of area requiring seed and fertilizer.      0 acres X 0 % = 0.0 acres

### Landings

Number of landings      39      X      0.5 acres per landing = 19.5 acres

TOTAL      27.4 acres

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder
Acres	396	0	0	0	0

Seed mix, fert., labor costs:

	<u>Lbs / Acre</u>		<u>\$ / Lb</u>		\$ per Acre
0	0	X	\$12.00	=	\$0.00
0	0	X	\$12.00	=	\$0.00
0	0	X	\$12.00	=	\$0.00
Slender Wheatgrass	24	X	\$12.00	=	\$288.00
0	0	X		=	\$0.00
Fertilizer	0	X		=	\$0.00
*Labor per Acre				=	\$80.00

\$ per acre **\$368.00**

**Total cost for**

SEEDING	<b>27.4</b>	acres	X	<b>\$288.00</b>	\$/acre	=	<b>\$7,891.20</b>
FERTILIZER	<b>27.4</b>	acres	X	<b>\$0.00</b>	\$/acre	=	<b>\$0.00</b>
LABOR	<b>27.4</b>	acres	X	<b>\$80.00</b>	\$/acre	=	<b>\$2,192.00</b>
SCARIFICATION							<b>\$450.00</b>
TOTAL							<b>\$10,533.20</b>

**\$10,533.20** COST / **5687** CCF = **\$1.85** PER CCF

\* Engineers estimate Page 114 of the Cost Guide Item Labor Rates.

**Document Rational for Changes to Standard Seed Mix.**





**OTHER CONTRACTUAL REQUIREMENTS**

**( A )**

**Other - Include Contractual Obligations Requiring Performance Bond Coverage  
(Road closure, Barriers, Trail Restoration, etc.)**

ITEM	#	X	COST	=	TOT COST
Road Stabilization Road 1621	1	X	\$500.00 per 1	=	\$500.00
Install berm on 11042	1	X	\$200.00 per berm	=	\$200.00
Install berm on 1623	1	X	\$170.00 per berm	=	\$170.00
Install berms on temporary roads	2	X	\$170.00 per berm	=	\$340.00
Install temporary gate on 1623	1	X	\$1,000.00 per gate	=	\$1,000.00
Scarification units 2A, 2B, 16, 21	75	X	\$85.00 per acre	=	\$6,375.00
Units that require scarification but no machine piling					
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00

**\$8,585.00** Cost / **5687** CCF = **\$1.51** CCF

**Subtotal Other Contractual Requirements ( A )** = **\$1.51** CCF



**OTHER CONTRACTUAL REQUIREMENTS (B)**

The cost allowance for herbicide application has been based on estimates provided by Tris Hoffman, FNF noxious weed coordinator. One mile of road with an average ROW of 30 feet is equal to 3.6 acres. Herbicides approved for use are listed in C(T)6.27# under Technical Spraying Specifications.

<u>Herbicide</u> (Common name)	<u>Application Rate oz</u> per acre	<u>Cost</u> Per oz	<u>Cost per</u> <u>UOM</u>
Tordon (example)	22	\$2.50	\$198.00 mile
		\$0.00	\$0.00 mile
		\$0.00	\$0.00 mile
		\$0.00	\$0.00 mile

Price quote for herbicide obtained from: Tris Hoffman FNF noxious weed coordinator

<u>Sufactant &amp; Dye</u> .32 oz/gal H2O	\$0.68/acre = \$2.45/ mile
<u>Labor Rate</u>	\$40/ hour (2 Miles per hour)

Miles of road to be sprayed: 44.68 miles

<u>Herbicide to be applied:</u>	<u>Miles</u>	<u>\$ UOM</u>	<u>Tot Cost</u>
Tordon (example)	44.68	\$198.00	\$8,846.64
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00

Sufactant & dye:	44.68		\$0.00
Application Cost (Labor):	44.68	\$35.00	\$1,563.80
Misc. Expense:	44.68		\$0.00

**TOTAL WEED TREATMENT:** \$10,410.44 cost / 5687 CCF = \$1.83 CCF

**ON-SITE EQUIPMENT WASHING C(T)6.351#**

**Cost allowance for washing off-road equipment *Prior To Leaving* locations identified in EIS/EA**

Number (pieces of equipment)		Number of seasons	
Cleaning costs per piece	\$0.00	CCF	5687

**Total cost for washing equipment per CCF** \$0.00 CCF

**Subtotal Other Contractual Requirements (B)** \$1.83 CCF

**MISCELLANEOUS CONTRACTUAL REQUIREMENTS ( C )**

**(Contractual Obligations That Would Not Require Coverage Under The Performance Bond)**

**Stump Shoveling** (Not required under normal operating/winter conditions. Include if clippers not allowed)

# stumps X  per stump =

Cost /  CCF =  CCF

**Snow Plowing**

# miles X  per mile X  # plowings =

Cost /  CCF =  CCF

**Miscellaneous: (Helicopter Landing Construction, Traffic Control etc...)**

ITEM	#	X	COST	=	TOT COST
XXX	<input type="text" value=""/>	<input type="text" value="X"/>	<input type="text" value="\$0.00"/> per XXX	=	<input type="text" value="\$0.00"/>
XXX	<input type="text" value=""/>	<input type="text" value="X"/>	<input type="text" value="\$0.00"/> per XXX	=	<input type="text" value="\$0.00"/>
XXX	<input type="text" value=""/>	<input type="text" value="X"/>	<input type="text" value="\$0.00"/> per XXX	=	<input type="text" value="\$0.00"/>
XXX	<input type="text" value=""/>	<input type="text" value="X"/>	<input type="text" value="\$0.00"/> per XXX	=	<input type="text" value="\$0.00"/>
XXX	<input type="text" value=""/>	<input type="text" value="X"/>	<input type="text" value="\$0.00"/> per XXX	=	<input type="text" value="\$0.00"/>
XXX	<input type="text" value=""/>	<input type="text" value="X"/>	<input type="text" value="\$0.00"/> per XXX	=	<input type="text" value="\$0.00"/>
XXX	<input type="text" value=""/>	<input type="text" value="X"/>	<input type="text" value="\$0.00"/> per XXX	=	<input type="text" value="\$0.00"/>
XXX	<input type="text" value=""/>	<input type="text" value="X"/>	<input type="text" value="\$0.00"/> per XXX	=	<input type="text" value="\$0.00"/>
XXX	<input type="text" value=""/>	<input type="text" value="X"/>	<input type="text" value="\$0.00"/> per XXX	=	<input type="text" value="\$0.00"/>
XXX	<input type="text" value=""/>	<input type="text" value="X"/>	<input type="text" value="\$0.00"/> per XXX	=	<input type="text" value="\$0.00"/>

Cost /  CCF =  CCF

**Subtotal Miscellaneous Contractual Requirements ( C )**  CCF

Total Other Contractual Requirements (A+B+C)	<input type="text" value="\$3.34"/> CCF
Brush Disposal (Purchaser and FS)	<input type="text" value="\$15.77"/> CCF
<b>Total Environmental Protection Cost</b>	<b><input type="text" value="\$19.11"/> CCF</b>

## TEMPORARY ROADS

1.55 Miles

Temporary Road #1

Existing: Units 13A,41A

Cost \$

\$6,058.00

Temporary Road #2

New: Unit 43

Cost \$

\$2,406.00

Temporary Road #3

New: Unit 40

Cost \$

\$1,777.00

Temporary Road #4

New: Unit 61

Cost \$

\$4,282.00

Temporary Road #5

0

Cost \$

\$0.00

**TOTAL TEMPORARY ROAD COST =**  
(Total Temporary Development Costs)

**\$14,523.00**

**\$14,523.00** COST / **5687** CCF = **\$2.55** CCF

Cost Guide for Temporary Roads

[http://www.fs.usda.gov/Internet/FSE\\_DOCUMENTS/stelprdb5279261.pdf](http://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5279261.pdf)

Temporary Road Seeding, Fertilizing and Obliteration Costs per CCF

**\$0.84**

## UNUSUAL CONDITION ADJUSTMENTS

**\$0.00** Cost \$ / **5687** CCF = **\$0.00** CCF



## TEMPORARY ROAD COSTS #1

Unit or Road Number: Existing: Units 13A,41A

**Reference to Cost estimating procedures for temporary roads from Cost Guide pages 100-104**

Average Side Slope 0 %  
 Length 4620 Feet 0.88 Miles  
 Volume per Acre 0

**(Note: Do not adjust project costs for inflation or deflation)**

Clearing and Grubbing (Table T-1)	=	Costs Per Mile \$3,900.00 Mile
Excavation (Table T-1)	=	\$1,410.00 Mile
Seeding (Table T-1)	=	\$510.00 Mile
Obliteration (Table T-1)	=	\$1,000.00 Mile
Scarify, Waterbar, Reveg		

**Total Unit Cost Per Mile = \$6,820.00**

**Basic Cost Total X Length = \$6,002.00**

Drainage Structures

	Dips	X		=	\$0.00
	18" CMP	X		=	\$0.00
	other CMP	X		=	\$0.00

**Drainage Cost Total = \$0.00**

Other Requirements

###		###	X	\$0.00	=	\$0.00
###		###	X	\$0.00	=	\$0.00
###		###	X	\$0.00	=	\$0.00
###		###	X	\$0.00	=	\$0.00

**Other Cost Total = \$0.00**

Subtotal (Basic + Drainage + Other) = **\$6,002.00**

Mobilization (Table T-4) 7% = **\$420.00**

Subtotal = **\$6,422.00**

**TOTAL COST \$6,422.00 / 1.06 Profit = \$6,058.00**

*Total Cost to be entered on 2400-17*

## TEMPORARY ROAD COSTS #2

Unit or Road Number: **New: Unit 43**

**Reference to Cost estimating procedures for temporary roads from Cost Guide pages 100-104**

Average Side Slope **20** %  
Length **1320** Feet **0.25** Miles  
Volume per Acre **0**

**(Note: Do not adjust project costs for inflation or deflation)**

Clearing and Grubbing (Table T-1)	=	<b>\$3,720.00</b> Mile
Excavation (Table T-1)	=	<b>\$1,730.00</b> Mile
Seeding (Table T-1)	=	<b>\$580.00</b> Mile
Obliteration (Table T-1)	=	<b>\$3,500.00</b> Mile
Full Recontour, Place Slash, Erosion Control Seed		

**Total Unit Cost Per Mile = \$9,530.00**

**Basic Cost Total X Length = \$2,383.00**

Drainage Structures

Dips	X	<b>\$0.00</b>	=	<b>\$0.00</b>
18" CMP	X	<b>\$0.00</b>	=	<b>\$0.00</b>
other CMP	X	<b>\$0.00</b>	=	<b>\$0.00</b>

**Drainage Cost Total = \$0.00**

Other Requirements

###	###	X	<b>\$0.00</b>	=	<b>\$0.00</b>
###	###	X	<b>\$0.00</b>	=	<b>\$0.00</b>
###	###	X	<b>\$0.00</b>	=	<b>\$0.00</b>
###	###	X	<b>\$0.00</b>	=	<b>\$0.00</b>

**Other Cost Total = \$0.00**

Subtotal (Basic + Drainage + Other) = **\$2,383.00**

Mobilization (Table T-4) **7%** = **\$167.00**

Subtotal = **\$2,550.00**

**TOTAL COST \$2,550.00 / 1.06 Profit = \$2,406.00**

**Total Cost to be entered on 2400-17**

### TEMPORARY ROAD COSTS #3

Unit or Road Number: **New: Unit 40**

**Reference to Cost estimating procedures for temporary roads from Cost Guide pages 100-104**

Average Side Slope **30** %  
Length **780** Feet **0.15** Miles  
Volume per Acre **0**

**(Note: Do not adjust project costs for inflation or deflation)**

Clearing and Grubbing (Table T-1)	=	<b>\$4,240.00</b> Mile
Excavation (Table T-1)	=	<b>\$2,390.00</b> Mile
Seeding (Table T-1)	=	<b>\$610.00</b> Mile
Obliteration (Table T-1)	=	<b>\$4,500.00</b> Mile
Recontour, Place Slash, Erosion Control Seed		

**Total Unit Cost Per Mile = \$11,740.00**

**Basic Cost Total X Length = \$1,761.00**

Drainage Structures

Dips	X	<b>\$0.00</b>	=	<b>\$0.00</b>
18" CMP	X	<b>\$0.00</b>	=	<b>\$0.00</b>
other CMP	X	<b>\$0.00</b>	=	<b>\$0.00</b>

**Drainage Cost Total = \$0.00**

Other Requirements

###	###	X	<b>\$0.00</b>	=	<b>\$0.00</b>
###	###	X	<b>\$0.00</b>	=	<b>\$0.00</b>
###	###	X	<b>\$0.00</b>	=	<b>\$0.00</b>
###	###	X	<b>\$0.00</b>	=	<b>\$0.00</b>

**Other Cost Total = \$0.00**

Subtotal (Basic + Drainage + Other) = **\$1,761.00**

Mobilization (Table T-4) **7%** = **\$123.00**

Subtotal = **\$1,884.00**

**TOTAL COST \$1,884.00 / 1.06 Profit = \$1,777.00**

**Total Cost to be entered on 2400-17**

# **TEMPORARY ROAD COSTS #4**

Unit or Road Number: **New: Unit 61**

**Reference to Cost estimating procedures for temporary roads from Cost Guide pages 100-104**

Average Side Slope **40** %  
 Length **1400** Feet **0.27** Miles  
 Volume per Acre **10**

**(Note: Do not adjust project costs for inflation or deflation)**

Clearing and Grubbing (Table T-1)	=	<b>\$5,750.00</b> Mile
<b></b>		
Excavation (Table T-1)	=	<b>\$3,720.00</b> Mile
<b></b>		
Seeding (Table T-1)	=	<b>\$740.00</b> Mile
<b></b>		
Obliteration (Table T-1)	=	<b>\$5,500.00</b> Mile
Recontour, Place Slash, Erosion Control Seed		

**Total Unit Cost Per Mile = \$15,710.00**

**Basic Cost Total X Length = \$4,242.00**

Drainage Structures

<b></b>	Dips	X	<b>\$0.00</b>	=	<b>\$0.00</b>
<b></b>	18" CMP	X	<b>\$0.00</b>	=	<b>\$0.00</b>
<b></b>	other CMP	X	<b>\$0.00</b>	=	<b>\$0.00</b>

**Drainage Cost Total = \$0.00**

Other Requirements

<b>###</b>	<b></b>	<b>###</b>	X	<b>\$0.00</b>	=	<b>\$0.00</b>
<b>###</b>	<b></b>	<b>###</b>	X	<b>\$0.00</b>	=	<b>\$0.00</b>
<b>###</b>	<b></b>	<b>###</b>	X	<b>\$0.00</b>	=	<b>\$0.00</b>
<b>###</b>	<b></b>	<b>###</b>	X	<b>\$0.00</b>	=	<b>\$0.00</b>

**Other Cost Total = \$0.00**

Subtotal (Basic + Drainage + Other) = **\$4,242.00**

Mobilization (Table T-4) **7%** = **\$297.00**

Subtotal = **\$4,539.00**

**TOTAL COST \$4,539.00 / 1.06 Profit = \$4,282.00**

**Total Cost to be entered on 2400-17**



## TIMBER SALE CONTRACT INFORMATION

### Tim Gate 4 - Contract Preparation information (ADVR114)

#### Normal Operating Season (ADVR114, Page 1)

			Units	
First Period :	1-Jul	to	30-Sep	All
Second Period:		to		

(Note: If sale has more than one NOS - List dates and units for each NOS in A16 or AT13 of Timber Sale Contract)

#### Periodic Payment Schedule

Approximate Award Date: 07/01/14 mm/dd/yy

(And Road Completion Date if roads are included.)

Road Completion Date: 09/30/14 mm/dd/yy  
(ENTER N/A if no roads)

Contract Termination Date: 09/30/16 mm/dd/yy

TIM - Input at Gate 4 - Prospectus, Bid and Misc. Information - Page 1 (ADVR115)

Approximate Payment Date: 11/15/15

**Include the following statement in the Prospectus for sales without a road completion date.**

As per B(T) 4.213, Periodic Payment Schedule, a periodic payment will be required. The approximate periodic payment date is XXXX. The final date will be based on the award date of this timber sale contract.

#### FIRE LIABILITY CALCULATION (ADVR114, Page 4)

5 CCF / man day --- 120 operating days / year --- 600 CCF / man year --- 12 hrs / shift --- 5 shifts / week.  
AD-C Firefighter wage is updated yearly, ~March (FSH 5109.34 Chp 10). Link below to directive.

- (A) Total Volume = 9553 CCF  
(B) Sale Duration = 2.3 YEARS (Calculated from Award Date to Termination Date)  
(C) Operating Days in Sale = 276 (Sale Duration X 120 days.)  
(D) CCF Per Day = 34.6 (Total Volume / Operating Days in Sale)  
(E) Men Needed to Log Sale = 6.9 (CCF Per Day / 5 CCF)  
(F) Liability = \$17.40 (Wage Rate AD-C) X 12 (hrs/shift) X 5 (# shifts) X

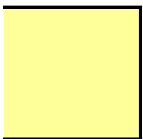
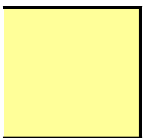
[http://www.fs.fed.us/r1/fire/nrcg/Committees/business\\_committee.htm](http://www.fs.fed.us/r1/fire/nrcg/Committees/business_committee.htm)

6.9 (# men) = TOTAL LIABILITY = \$7,204

Round up to nearest \$50.00 up to \$200.00, then round up to nearest \$100.00

ROUNDED TOTAL = \$7,300







***When sale is entered through TIM, Bid Guarantee is calculated and auto-filled during completion of Gate 4 –Prospectus, Bid and Misc. Information – Page 1- (ADVR115)***

**MINIMUM PERFORMANCE BOND:**

***TIM Gate 4 - Prospectus, Bid and Misc. Information - Page 3 - (ADVR115)***

The greater of (A) or (B) rounded **UP** to nearest \$100.00 if sale is under \$10,000.00 stumpage value and up to nearest \$1,000.00 if sale is over \$10,000 stumpage value.

(A)      Advertised Value       $\$245,905 \times 10\% = \$24,590$

   Rounded 10% Advertised Value      =       $\$25,000$  (A)

**( B )** Purchaser requirements (Performance) - Based on number of seasons.

Road Maintenance =	\$6.58	CCF
Erosion =	\$1.85	CCF
Brush Disposal =	\$10.44	CCF
Other =	\$4.18	CCF
Total =	\$23.05	CCF

Total Purchaser Requirements = \$23.05 X Tot Vol 5687 CCF = \$131,108 Tot Value

divided by 3 # Seasons = \$43,703 Performance Bond Value

Rounded Performance Bond Value = \$44,000 (B)

<b>MINIMUM PERFORMANCE BOND</b>	<b>\$44,000</b>
---------------------------------	-----------------

**Create New Sales**

Forest No 10 - Flathead  
District No 06 - Hungry Horse  
Sale No 14602  
Sale Name Firefighter Mountain

**Basic Information**

Advertised Sale Number 06-14602  
State MT - Montana \*  
County Code 029 - Flathead  
Compartment No 26  
Legal Description T29N, R18W

Appraisal Date  
Contract Date  
Term Date 9/30/2016  
Bid Date

Modified By  
Modified Date

Size Class  
Sale Status  
SBA Code  
Appraisal Type  
Salvage Code  
Pricing Method  
SAI Collection  
Contract No  
Contract Form  
CO Authority  
Sale Method  
Regulation Code

7 - \$1,000,000.01 thru \$5,000,000 \*  
 7020 - Bidder responsibility \*  
 N - No \*  
 TE - Transaction Evidence \*  
 2 - Salv Sale or Salv Component in Regular Program \*  
 FLAT - Flat Rate \*  
 \$243,516.00  
 06-14602  
 6 - Contract Form 2400-6  
 R - Regional Forester \*  
 S - Sealed Bids \*  
 12 - 36 CFR 223.86 \*

**Area & Volume**

Sale Acres 8360

Cut Acres 396

Clearcut Acres  
Seed Tree Acres 263  
Right Of Way Acres  
Final Seed Tree Acres  
Shelter Wood Acres  
Cedar Poles: Volume  
Count  
Length  
Percent Salvage 37%

Clearcut Volume  
Seed Tree Volume 3758  
Right Of Way Volume  
Final Seed Tree Volume  
Shelter Wood Volume

### Costs / CCF

Slash FS	\$5.33
Slash Total	\$15.77
Erosion	\$1.85
Snag	
Misc	\$3.34
Temp Roads	\$2.55
Other Temp Dev	
Unusual Cond Adj	
Road Maint Dep	\$6.58
Road Maint Total	\$11.22
Small Product Adj	\$0.00

### Comments

Blank
Includes other (A), weeds (B), Misc ©
Blank
Includes Tons/CCF Adjustment

### Roads

Construction Miles	
Reconstruction Miles	21.5
Appraisal Point	Col Falls
Total Haul Miles	28
Temp Road Const Miles	1.6
Contributed Funds	
Timber Property Value	

Costs  
Costs  
State  
Paved Miles  
Costs

\$211,297
Montana
9.6
\$14,523

### Logging Systems

	Acres	CCF	Distance(ft)
Tractor	396	5687	922
Horse			
Ground Lead			
Skyline			
Heli			
Swing			
Forwarder			

### Species/Products

[illegible]



Use this sheet to calculate advertised value and to convert \$/CCF to \$/Tons.

Attach this sheet to the 2400-17 for Documentation.

Sawtimber Rate from the 2400-17 

\$42.56
---------

**Conversion to Tons**

	<u>Adv. Rate</u>	<u>CCF Vol</u>	<u>Tons</u>	<u>Advertised Rate per Ton</u>
Sawtimber	\$42.56	5687	17281	\$14.01
Non_Saw	\$1.00	3866	11522	\$0.34
Base Rate (Sawtimber)	\$42.56	5687	17281	\$14.01

Total Advertised Value 

\$245,904.72
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